



Organizational and Expertise Directory

Fall 2007

**Office of Research,
Development and Technology**

**Turner-Fairbank Highway Research Center
6300 Georgetown Pike, McLean, VA 22101**



U.S. Department of Transportation
Federal Highway Administration

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Who We Are and What We Do

The Federal Highway Administration (FHWA) Office of Research, Development, and Technology (RD&T) is organized into 8 offices with 15 teams of experts in more than 30 transportation-related disciplines. Three research and development (R&D) offices—Operations, Safety, and Infrastructure—conduct R&D to continually improve highway operations and intelligent transportation systems (ITS), safety, and infrastructure, respectively. The Office of Corporate Research, Technology, and Innovation Management leads change and provides a comprehensive approach to managing advanced and applied research programs, communicating corporate messages from agenda setting through impact assessment; develops and executes policy, budget, program management, and administrative mechanisms to add value and quality continually to a nationwide FHWA R&T program; and develops and executes comprehensive R&T communications and marketing strategies, plans, and evaluation methods which support FHWA-wide R&T programs and R&T services to FHWA offices. The Office of Resource Management provides administrative services for RD&T.

RD&T also manages the FHWA R&T Program, which directly supports the goals of the U.S. Department of Transportation (USDOT) to invest strategically in transportation infrastructure, promote safe and secure transportation, enhance our environment, and create new alliances between the Nation's transportation and technology industries.

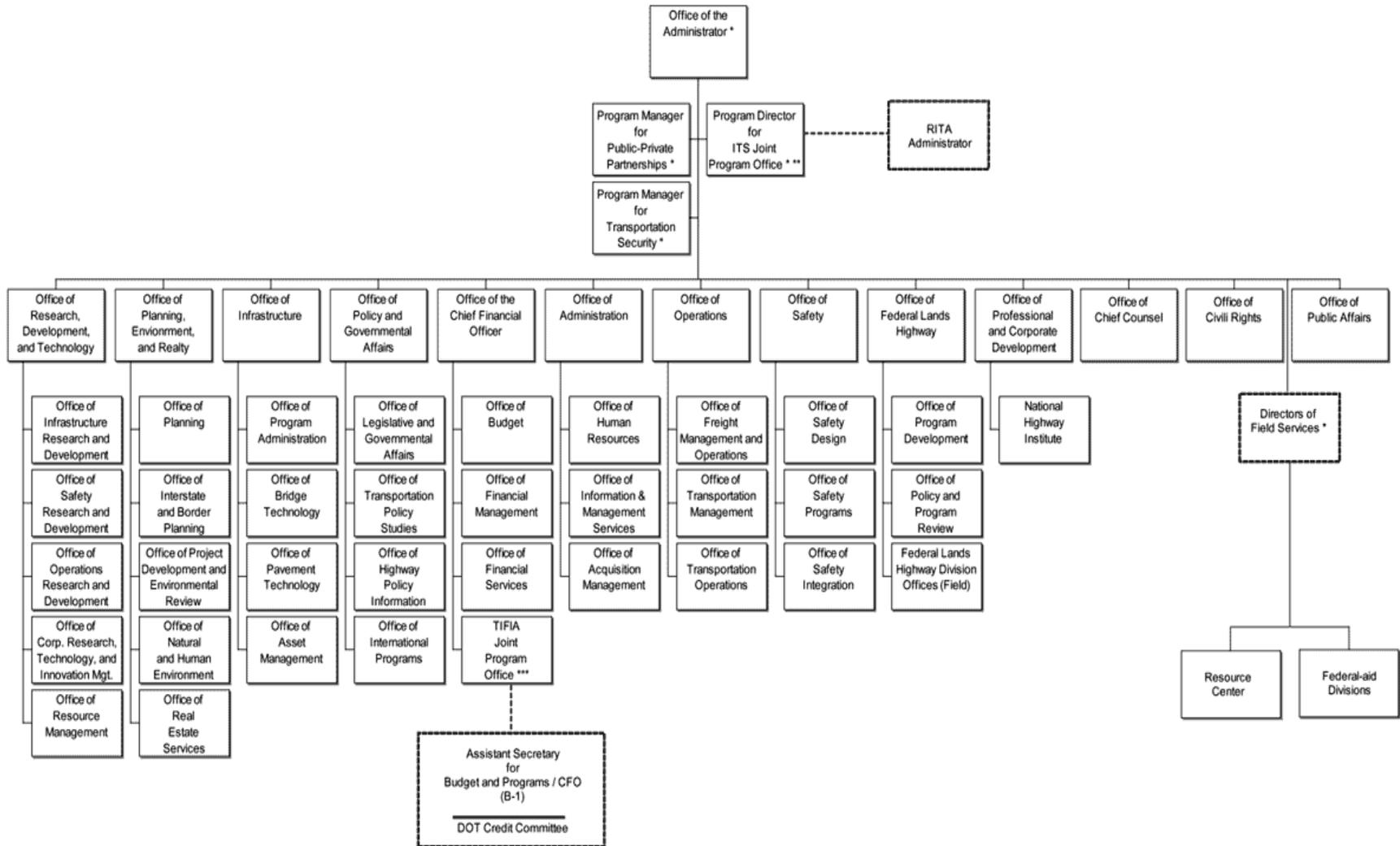
In virtually everything we do, we coordinate and/or collaborate extensively with other FHWA and DOT offices, State and local government partners, academic organizations, companies in the industry, military research offices, and professional organizations. In an effort to involve stakeholders and partners, and improve RD&T, FHWA is implementing a Corporate Master Plan that centers on Agency commitments and principles.

See RD&T fiscal year (FY) 2004 product and service descriptions and year-end statuses in the *Office of Research, Development, and Technology FY 2004 Performance Report*. Find a listing and descriptions of FY 2004-05 products and services in the *RD&T FY 2004/2005 Performance Plan*. The performance plan and report are available on the Turner-Fairbank Highway Research Center (TFHRC) Web site (www.tfhrc.gov).

We are proud of our contributions, products, and services that quickly and cost-effectively accelerate and transform new technologies and concepts into better transportation systems, processes, and services. With our partners, we improve our national quality of life. To be successful, we must respond to the needs of our national transportation system and its users—society at large. We meet the challenge by constantly emphasizing and demonstrating innovation.

Research that is Essential, Indispensable, and Connected to our Customers.

Federal Highway Administration Organizational Chart



* The Office of the Administrator includes the Administrator, Deputy Administrator, Executive Director, and the Intelligent Transportation Systems Joint Program Office (ITS JPO). FHWA's Program Manager for Public-Private Partnerships, the Program Manager for Transportation Security, and the Directors of Field Services (DFS) are extensions of the Executive Director's office. The DFSs provide administrative supervision and leadership on strategic initiatives to the constituent Federal-Aid Division Administrators. The DFS-West also provides administrative supervision to the Resource Center Director.

** The Program Director for the ITS JPO has a departmentwide role, provides executive direction over the ITS JPO, and advises and reports to both the FHWA Administrator and the RITA Administrator.

*** The Transportation Infrastructure Finance and Innovation Act Joint Program Office (TIFIA JPO) is a multi-modal office located within the FHWA's Office of the Chief Financial Officer and has a departmentwide role, which is overseen by the Assistant Secretary of Transportation for Budget and Programs (OST B-1) and the DOT Credit Committee.

Effective August 1, 2007

Turner-Fairbank Highway Research Center Organizational Chart

Federal Highway Administration Turner-Fairbank Highway Research Center

HRT

RESEARCH, DEVELOPMENT AND TECHNOLOGY

Dennis Judycki, Associate Administrator*

Jean Landolt, Executive Assistant

Steve Chase, Chief Scientist
Joe Moyer, Scientific Quality Assurance Manager
Vacant, Administrative Assistant (C)

HRDI

Office of Infrastructure R&D

Gary Henderson, Director
John McCracken, Research Program Manager
Ian Friedland, Tech. Dir., Bridges & Structures R&D
Cheryl Richter, Tech. Dir., Pavements R&D
Vacant, Advanced Research Coordinator
Cara Fitzgerald, Program Coordinator
Janet Klein, Administrative Assistant
Vacant, Administrative Program Assistant
Hiwot Abdi, Administrative Assistant (C)

Bridge Design & Construction Team
Bill Wright, Team Leader
Mike Adams
Fassil Beshah
Carl Ealy
Ben Graybeal
Vacant, Research Structural Engineer

Bridge Safety, Reliability & Security Team
Sheila Duwadi, Team Leader
Hal Bosch
Kornel Kerenyi
Eric Munley
Phil Yen

Infrastructure Inspection & Management Team
Joey Hartmann, Team Leader
Hamid Ghasemi
Frank Jalinoos
Seung-Kyoung Lee
Paul Virmani
Vacant, Research Chemist

Pavement Materials & Construction Team
Jack Youtcheff, Team Leader
Terry Arnold
Ernie Bastian
Fred Faridazar
Nelson Gibson
Rick Meininger
Dennis Sixbey
Vacant, Research Materials Engineer

Pavement Design & Performance Modeling Team
Katherine Petros, Team Leader
Peter Kopac
Jim Sherwood
Nadarajah Sivaneswaran
Eric Weaver

Long-Term Pavement Performance Team
Aramis Lopez, Team Leader
Jack Springer
Deborah Walker
Larry Wisler

HRDS

Office of Safety R&D

Michael Trentacoste Director
Ray Krammes, Tech. Dir. for Safety R&D
Diana Martin, Program Analyst
Lincoln Cobb, Technology Facilitator
Liz Simpson, Administrative Assistant (C)

Advanced Research Team
Kunik Lee
Vacant, Operations Research Analyst
Vacant, Electronics Research Engineer

Roadside Team
Ken Opiela, Team Leader
Martin Hargrave

Roadway Team
Carl Andersen, Team Leader
Joe Bared
Clayton Chen
Wei Zhang
Abdul Zineddin

Safety Management Team
Carol Tan, Team Leader
Roya Amjadi
Heather Valadez

Human Centered Systems Team
Tom Granda, Team Leader
Ann Do
Amanda Emo
Paul Tremont
Vacant, Research Psychologist

HRDO

Office of Operations R&D

Joseph Peters, Director
Robert Ferlis, Tech. Dir. for Operations
Vacant, Administrative Program Assistant

Travel Management Team
Raj Ghaman, Team Leader
Debbie Curtis
Dale Thompson
Randy VanGorder
Vacant, Research Highway Engineer
Vacant, Research Highway Engineer

Enabling Technologies Team
Gene McHale, Team Leader
James Arnold
Dave Gibson
Peter Huang
Rudy Persaud

HRTM

Office of Corporate Research, Technology, and Innovation Management

Debra Elston, Acting Director
Program Coordinator, Vacant
Kimberly Williams, Administrative Assistant (C)
Andrena Johnson, Administrative Assistant (C)

Program Development & Partnership Team
Debra Elston, Team Director
Nazhat Aboobaker
Nelda Bravo
Erica Interrante (PDP)
Jack Jernigan
John Munro
Bill Zaccagnino
Vacant, Strategic Planning & Perf. Analyst

Communications & Outreach Team
Vacant, Team Director
(Joseph Conway, Acting Team Director)
Zachary Ellis
Paula Magoulas
TaMara McCrae
Martha Soneira
Dawn Vanlandingham

Exploratory Advanced Research Team
Vacant, Team Director
(Terry Halkyard, Acting Team Director)
Ariam Asmerom

HRRM

Office of Resource Management

Doreen McCarthy, Director
Carmen Dupuy, Administrative Assistant (C)

Georgia Curtis
Angela Lee
Masoud Nasabzadeh
Quang Nguyen
Carol Roberts
Chris Shehade
Vacant, Program Analyst

* The Associate Administrator for Research, Development and Technology also directs Turner-Fairbank Highway Research Center.

(C) = Contractor

(PDP) = Professional Development Program

October 2007

Office of the Associate Administrator

Fax: 202-493-3170

Office of the Associate Administrator, HRT-1

Dennis Judycki

Associate Administrator/Director of TFHRC

202-493-3999

dennis.judycki@fhwa.dot.gov

Primary Responsibilities

- National Highway Research and Technology (R&T) Partnership leadership development and coordination
- Corporate facilitation and coordination of research, technology, and innovation deployment
- Advancement of Agency's strategic mission and role of "Innovators for a Better Future"

Backup Person

Michael Trentacoste

Jean Landolt

Executive Assistant

202-493-3999

jean.landolt@fhwa.dot.gov

Primary Responsibilities

- Administrative support

Major Projects

- Office management

Backup Person

Liz Simpson

Steve Chase

Chief Scientist, TFHRC

202-493-3038

steve.chase@fhwa.dot.gov

Primary Responsibilities

- Strategic Planning for TFHRC
 - Coordination of R&D at TFHRC
 - Exploratory Advanced Research at TFHRC
-

Joe Moyer

Scientific Quality Assurance Manager

202-493-3370

joe.moyer@fhwa.dot.gov

Primary Responsibilities

- Lab Assessment
- Data Quality
- Peer Review

Office of Resource Management

Fax: 202-493-3478

Office of Resource Management, HRRM-01

Doreen McCarthy

Director

202-493-3175

doreen.mccarthy@fhwa.dot.gov

Primary Responsibilities

- Director

Major Projects

- Leadership in management planning and TFHRC business operations

Backup Person

Chris Shehade

Carmen Dupuy

Administrative Assistant (Contractor)

202-493-3175

carmen.dupuy@fhwa.dot.gov

Primary Responsibilities

- Office operations and support
- Purchase Request tracking
- Assistance to Accountable Property, Employee Development, and Facility Security Activities
- TFHRC Central Telephone Information

Major Projects

- Office management
 - Support to Administrative Management programs
-

Chris Shehade

Senior Financial Manager

202-493-3179

chris.shehade@fhwa.dot.gov

Primary Responsibilities

- Financial consultation to the R&T Leadership Team
- R&T budget execution
- Financial management policy reviews

Major Projects

- Financial consultation on R&T funding issues and financial management of all RD&T allotments

Backup Person

Quang Nguyen

Georgia Curtis

Administrative Management Specialist
202-493-3180
georgia.curtis@fhwa.dot.gov

Primary Responsibilities

- GOE allocation management
- RD&T Purchase Card review and program oversight (GOE)
- RD&T Employee Development program coordination

Major Projects

- GOE allotment financial research, reconciliation, and reporting
- RD&T Purchase Card review and program oversight (GOE)
- RD&T Training Coordinator

Backup Persons

Chris Shehade
Carol Roberts

Vacant

Program Analyst
202-493-3168

Primary Responsibilities

- Acquisition planning and review
- RD&T Purchase Card review and program oversight (Program funds)
- COTR and Purchase Card holder certification and training

Major Projects

- Acquisition planning, administration, and reporting
- Purchase Card Program Manager
- COTR/Purchase Card holder certification and reporting

Backup Person

Doreen McCarthy

Quang Nguyen

Accountant/Financial Manager
202-493-3298
quang.nguyen@fhwa.dot.gov

Primary Responsibilities

- RD&T budget execution
- Managerial Cost Accounting System implementation and continuing oversight
- Program funds review, research, and reconciliation

Major Projects

- Financial oversight of RD&T allotments
- COTR for financial management support contracts
- Managerial Cost Accounting System Management for RD&T

Backup Person

Chris Shehade

Masoud Nasabzadeh

Research Facility Technical Support Specialist
202-493-3047
masoud.nasabzadeh@fhwa.dot.gov

Primary Responsibilities

- Technical support to R&D activities at TFHRC
- Contract administration of IT Support and Electronics Laboratory Contracts
- Facility reviews and strategic planning
- Emergency planning and COOP management

Major Projects

- COTR for RD&T-wide technical support contracts
- TFHRC Strategic Capital Investment Plan
- COOP Management
- TFHRC physical security review

Backup Person

Doreen McCarthy

Carol Roberts

Administrative Management Specialist
202-493-3185
carol.roberts@fhwa.dot.gov

Primary Responsibilities

- Human resource management
- Human resource consultation and guidance

Major Projects

- Human resource management and consultation
- Workforce planning
- Competitive Sourcing Program implementation

Backup Person

Doreen McCarthy

Angela Lee

Administrative Management Specialist
202-493-3471
angela.lee@fhwa.dot.gov

Primary Responsibilities

- Accountable property inventory and records management
- Facility space management assistance
- USDOT vehicle and wireless communication device administration

Major Projects

- TFHRC Accountable Property Officer
- Facility Space Utilization Studies
- Purchase Request Quality Review support

Backup Person

Masoud Nasabzadeh

Management Services Division, HAIM-20

Brian Kerr

202-493-3000

brian.kerr@fhwa.dot.gov

Primary Responsibilities

- Facilities Manager

Major Projects

- Facilities operations

Backup Person

Lyle Hayhurst

Office of Corporate Research, Technology, and Innovation Management

Fax: 202- 493- 3475 (HRTM-01, HRTM-03, HRTM-04)
Fax: 202- 493- 3170 (HRTM-02)

Office of Corporate Research, Technology, and Innovation Management, HRTM-01

Debra Elston

Acting Director

202-493-3181

debra.elston@fhwa.dot.gov

Primary Responsibilities

- Overall leadership of research and technology (R&T) program development and innovation management
- Lead for Office of the Secretary of Transportation (OST) and multimodal R&T coordination
- Primary contact for national research partnerships and State research programs
- Leadership and communication for the R&T program

Major Projects

- Federal Highway Administration (FHWA) R&T program development and innovation management
- US Department of Transportation (USDOT) Research, Development, and Technology (RD&T) Program Review Working Group
- Liaison with Transportation Research Board (TRB) R&T Coordinating Committee (RTCC)
- Primary contact for coordination of international R&T programs

Backup Person

Nelda Bravo

Vacant

Research and Technology Program Coordinator

202-493-xxxx

Primary Responsibilities

- Advice to office director on office operations
- Program coordination and monitoring
- Fiscal accountability within office
- Contract administration support

Major Projects

- Office management initiatives
 - Program and budget monitoring
 - Accountable property inventory
-

Kimberly Williams

Administrative Assistant (Contractor)

202-493-3423

kimberly.williams@fhwa.dot.gov

Primary Responsibilities

- Administrative support to the Office Director, Research and Technology Program Development and Partnership Team; Communications and Outreach Team; and the Exploratory Advanced Research Team

Major Projects

- Office activities scheduling
 - Office materials proofreading
 - Correspondence control/routing organization
-

Andrena Johnson

Administrative Assistant (Contractor)

202-493-3166

andrena.johnson@fhwa.dot.gov

Primary Responsibilities

- Administrative support to the Office Director, Research and Technology Program Development and Partnership Team; Communications and Outreach Team; and the Exploratory Advanced Research Team

Major Projects

- Office and meeting support
-

Research and Technology Program Development and Partnership Team, HRTM-02**Debra Elston**

Team Director

202-493-3470

debra.elston@fhwa.dot.gov

Primary Responsibilities

- Leadership
- Legislation and budget
- National research and technology program development and evaluation

Major Projects

- Nationally coordinated R&T program
- R&T partnership development
- R&T Leadership Team secretariat

Backup Person

Nelda Bravo

Nelda Bravo

National Partnership Manager

202-493-3470

nelda.bravo@fhwa.dot.gov

Primary Responsibilities

- Coordination of national R&T programs
- R&T program formulation in cooperation with FHWA headquarters and field offices
- Future Strategic Highway Research Program (SHRP II)

Major Projects

- National Highway R&T programs
- Liaison with SHRP II
- Liaison with TRB RTCC
- Liaison with RITA for University Transportation Center (UTC) program
- Small Business Innovative Research (SBIR) program

Backup Person

Jack Jernigan

Jack Jernigan

Research and Technology Legislative and Budget Analyst

202-493-3363

jack.jernigan@fhwa.dot.gov

Primary Responsibilities

- Development of R&T budget and budget delivery plan
- Development and review of reauthorization legislative proposals
- Development of R&T Legislative Implementation Plan for the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)

Major Projects

- Annual R&T budget and budget delivery plan
- Legislative proposals
- FHWA headquarters and field office coordination

Backup Person

Nelda Bravo

Bill Zaccagnino

Research and Technology State Program Analyst

202-493-3183

william.zaccagnino@fhwa.dot.gov

Primary Responsibilities

- RD&T State Planning and Research Program manager
- FHWA manager for National Cooperative Highway Research Program (NCHRP)
- RD&T liaison for TRB activities
- State peer exchange program
- FHWA manager for State peer exchange program

Major Projects

- American Association of State Highway and Transportation Officials' (AASHTO) Standing Committee on Research (SCOR) and Research Advisory Committee (RAC)
- Core Program contract with TRB
- NCHRP coordination
- Liaison for NCHRP Projects 20-5 and 20-39(2)
- State peer exchange monitoring

Backup Person
Nazhat Aboobaker

Vacant

Research and Technology Strategic Planning and Performance Analyst
202-493-3414

Primary Responsibilities

- R&T performance planning and performance measures
- R&T strategic planning support
- Support for OST-level and multimodal R&T coordination
- Staff primary contact for Office of Management and Budget (OMB) Program Assessment Rating Tool (PART) and interagency research program reviews

Major Projects

- RD&T performance plan
- RD&T Performance Management Working Group
- RD&T performance measures
- FHWA input into USDOT R&D strategic plan
- Staff support for USDOT RD&T Program Review Working Group

Backup Person
Nelda Bravo

John F. Munro

Technology Transfer System Analyst
202-493-3368
john.munro@fhwa.dot.gov

Primary Responsibilities

- Technology transfer system coordination
- Intellectual properties system development and coordination
- Peer review liaison to OST and Research and Innovative Technology Administration (RITA)
- Representative to Federal Laboratory Consortium (FLC)

Major Projects

- Technology transfer system development
- Intellectual property right coordination
- Technology transfer process analysis
- Scientific peer review support

Backup Person
Debra Elston

Nazhat Aboobaker

Transportation Pooled Fund (TPF) Coordinator
202-493-3146
nazhat.aboobaker@fhwa.dot.gov

Primary Responsibilities

- Promotion and administration of the TPF Program

Major Projects

- Management of TPF Program
- FHWA liaison for TPF projects
- TPF Web site updates
- TPF program annual report
- Briefings and training on TPF Program
- AASHTO Technology Implementation Group (TIG) coordination

Backup Person

Bill Zaccagnino

Communications and Outreach Team, HRTM-03**Joe Conway**

Acting Team Director

202-493-3186

joe.conway@fhwa.dot.gov

Primary Responsibilities

- Leadership
- Budget planning
- Communications and outreach strategy

Major Projects

- Innovation management and delivery
- R&T story

Backup Person

Martha Soneira

Martha Soneira

Marketing & Communications Analyst

202-493-3468

martha.soneira@fhwa.dot.gov

Primary Responsibilities

- Marketing and communications leadership
- Public Roads editor-in-chief

Major Projects

- Marketing and communication support services management
- R&T marketing and communications network liaison
- Federal Highway Administration Research Library
- Turner-Fairbank Highway Research Center communications plan

Backup Person

Paula Magoulas

Joe Conway

Information Management Analyst

202-493-3186

joe.conway@fhwa.dot.gov

Primary Responsibilities

- R&T information management

- R&T technology transfer and innovation delivery
- Communications and outreach support

Major Projects

- R&T Product Distribution Center
- Federal Highway Administration Research Library
- Office liaison for Office of Infrastructure R&D and Office of Safety R&D

Backup Person

Tam McCrae

Paula Magoulas

Communication Specialist/Creative Director

202-493-3398

paula.magoulas@dot.gov

Primary Responsibilities

- Communications and outreach projects coordinator
- Communications/publications support service coordinator
- Communications/graphic consultation
- Public Roads creative director

Major Projects

- Communication support services management
- Communication and outreach projects coordination
- Success story coordination
- Office liaison for Office of Safety R&D

Backup Person

Martha Soneira

Dawn Vanlandingham

Writer/Editor

202-493-3198

dawn.vanlandingham@dot.gov

Primary Responsibilities

- R&T multimedia and Web publishing
- R&T and TFHRC Web site management
- Communications and Web consultation
- Public Roads managing editor

Major Projects

- Communications and outreach projects coordination
- Office liaison for Office of Safety R&D

Backup Person

Joe Conway

Zachary Ellis

Publishing and Marketing Specialist

202-493-3193

zachary.ellis@fhwa.dot.gov

Primary Responsibilities

- Meeting planning contract management
- R&T multimedia publishing coordination
- Focus newsletter managing editor
- Information sharing, management, and preservation

Major Projects

- Meetings and conference planning management
- Printing coordination and oversight
- Office liaison for Office of Operations R&D
- Records management and preservation

Backup Person

Joe Conway

TaMara McCrae

Marketing Specialist and Logistics/Tour Coordinator

202-493-3382

tamara.mccrae@fhwa.dot.gov

Primary Responsibilities

- National exhibit coordination
- R&T communications support
- Facility tour coordination

Major Projects

- Communications plan development support
- FHWA exhibit services support
- Facility tours
- Priority, market-ready technologies and innovations communication and measurement

Backup Person

Joe Conway

Exploratory Advanced Research Team, HRTM-04**Terry Halkyard**

Acting Team Director

202-493-3467

terry.halkyard@fhwa.dot.gov

Primary Responsibilities

- FHWA leadership
- Scientific coordination
- Partnership development

Major Projects

- Visionary leadership for Exploratory Advanced Research (EAR) Program
- Facilitation of EAR partnership development
- International and national scientific program coordination
- Leadership and communication for Corporate Master Plan for Research and Deployment of Technology & Innovation

Backup Person

Ariam Asmerom

Terry Halkyard

Advanced Research Program Analyst

202-493-3467

terry.halkyard@fhwa.dot.gov

Primary Responsibilities

- EAR program development and administration
- Budget delivery
- EAR partnerships

Major Projects

- Broad agency announcements
- Contract support management
- Small Business Innovation Research (SBIR) Program manager
- Internships and rotational assignments

Backup Person

Ariam Asmerom

Ariam Asmerom

Advanced Research Program Analyst

202-493-3469

ariam.asmerom@fhwa.dot.gov

Primary Responsibilities

- EAR program development and administration
- Communications and outreach

Major Projects

- Program planning and delivery
- Internal research solicitation
- Program publications, Web development, and marketing

Backup Person

Terry Halkyard

R&T Publications Support**Carlton Brigham**

Onsite Manager (Contractor)

301-577-0818

report.center@fhwa.dot.gov

Primary Responsibilities

- R&T Product Distribution Center, Lanham, MD

Backup Person

Joe Conway

Federal Highway Administration Research Library**Jennifer Boteler**

Librarian (Contractor)

202-493-3071

jennifer.boteler@fhwa.dot.gov

Primary Responsibilities

- Federal Highway Administration Research Library manager
- Reference and interlibrary loans

Backup Person

Martha Soneira

Office of Operations R&D

Fax: 202-493-3419

Office of Operations R&D, HRDO-01

Joe Peters

HRDO-01, Director

202-493-3269

joe.peters@fhwa.dot.gov

Primary Responsibilities

- Leadership of Operations R&D
- Transportation management and operations improvement through research, development, and testing
- Identification of future opportunities

Major Projects

- Office business plan
- Vehicle infrastructure integration (VII)

Backup Person

Robert Ferlis

Vacant

Administrative Assistant

202-493-3303

Primary Responsibilities

- Administrative support

Major Projects

- Office management
-

Technical Director, HRDO-02

Robert Ferlis

Technical Director

202-493-3268

robert.ferlis@fhwa.dot.gov

Primary Responsibilities

- Coordination of project team activities with FHWA's Strategic Plan and Performance Plan goals and objectives
- Technical advice for project teams
- Customer/partner feedback
- RD&T product deployment
- Advanced Research Program

Major Projects

- Unit planning
- ITS support
- Advanced mobility systems
- Liaison to headquarters and field offices

- Vehicle–Highway Automation
- Vehicle–Infrastructure Integration (VII)

Backup Person

Raj Ghaman

Travel Management Team, HRDO-03**Raj Ghaman**

Team Leader

202–493–3270

raj.ghaman@fhwa.dot.gov

Primary Responsibilities

- Program management and development
- Contract management
- Technical direction
- Team management and leadership
- University Transportation Center (UTC)

Major Projects

- Adaptive control hardware and software development including national standards
- National Highway Institute course instruction
- Dynamic control software
- Adaptive Control Software (ACS) “Lite”
- Traffic management center (TMC) pooled fund

Backup Person

Deborah Curtis

Vacant

Highway Research Engineer

202–493–3273

Primary Responsibilities

- Development of Dynamic Traffic Assignments (DTA) Systems
- Capacity and level of service
- Infrastructure security
- Weather

Major Project

- Dynamic Traffic Assignments and traffic flow theory
- Technical support and program management
- Software testing
- Adverse weather traffic operations

Backup Persons

Raj Ghaman

Deborah Curtis

Deborah Curtis

Highway Research Engineer

202–493–3267

deborah.curtis@fhwa.dot.gov

Primary Responsibilities

- ACS, ramp metering, ACS evaluation, and operation of work zones
- Advanced research
- Freight analysis and modeling

Major Projects

- Ramp metering for recurring and nonrecurring congestion
- Strategic Work Zone Analysis Program
- QuickZone and Work Zone Final rule

Backup Person

Raj Ghaman

Vacant

Highway Research Engineer
202-493-3282

Primary Responsibilities

- Freeway operations
- Traffic analysis and simulation tools
- Next Generation Simulation Modeling (NGSIM)
- Traffic modeling of evacuations

Major Projects

- Next Generation Simulation (NGSIM) program
- Traffic Analysis Toolbox
- CORSIM Application Guidelines
- Ramp Management and Control Handbook
- Coordinated Freeway and Arterial Operations Handbook
- Empirical Studies of Traffic Flow in Increment Weather

Backup Person

Raj Ghaman

Dale Thompson

Transportation Specialist
202-493-3420
dale.thompson@fhwa.dot.gov

Primary Responsibilities

- Operations partnerships
- Access management
- Performance measures and data quality

Major Projects

- TMC pooled fund
- Integrated corridor management systems

Backup Person

Raj Ghaman

Randall VanGorder

Highway Research Engineer
202-493-3266
randall.vangorder@fhwa.dot.gov

Primary Responsibilities

- Traffic Research Laboratory (TReL) development and management
- Incident management
- Intelligent Vehicle Initiative (IVI) specialty vehicles
- Technology facilitation

Major Projects

- Manage TReL
- Development of TReL integrated environment
- TReL Strategic Plan development
- Specialty vehicle field operational test with Minnesota DOT

Backup Person

Raj Ghaman

Enabling Technologies Team, HRDO-04**Gene McHale**

Team Leader

202-493-3275

gene.mchale@fhwa.dot.gov

Primary Responsibilities

- Technical direction
- Team management and leadership
- Infrastructure-related aspects to cooperative vehicle-infrastructure collision avoidance systems

Major Projects

- Cooperative intersection Collision Avoidance Systems (CICAS)
- Vehicle Infrastructure Integration (VII)

Backup Person

Peter Huang

James Arnold

Electronic Engineer

202-493-3265

james.a.arnold@fhwa.dot.gov

Primary Responsibilities

- Global positioning system (GPS)
- Dedicated short-range communication (DSRC)

Major Projects

- Nationwide Differential GPS (NDGPS) and High-Accuracy NDGPS
- Technical support to ITS communications systems

Backup Person

Rudy Persaud

David Gibson

Highway Research Engineer

202-493-3271

david.gibson@fhwa.dot.gov

Primary Responsibilities

- Advanced and innovative research

- University research liaison
- Traffic sensors and detection

Major Projects

- Sensors and controllers for CICAS
- University Research Centers of Excellence
- Stereo-Pedestrian Sensor Project

Backup Person

Gene McHale

Peter Huang

Highway Research Engineer
202-493-3484
peter.huang@fhwa.dot.gov

Primary Responsibilities

- IVI enabling research
- Intersection collision avoidance

Major Projects

- Technologies for CICAS testing and evaluation
- Infrastructure-based intersection collision avoidance experimental tests with State departments of transportation
- ITS applications for work zones

Backup Person

David Gibson

Rudy Persaud

Highway Research Specialist
202-493-3391
rudy.persaud@fhwa.dot.gov

Primary Responsibilities

- Road weather management
- Rural ITS
- GPS

Major Projects

- Winter maintenance decision support systems
- Environmental sensor stations investments
- NDGPS deployment

Backup Person

James Arnold

Office of Safety R&D

Fax: 202-493-3170 (HRDS-01) Fax: 202-493-3170 (HRDS-02, HRDS-06, HRDS-07)
Fax: 202-493-3417 (HRDS-04, HRDS-05)

Office of Safety R&D, HRDS-01

Michael Trentacoste

HRDS-01, Director

202-493-3260

michael.trentacoste@fhwa.dot.gov

Primary Responsibilities

- Advocacy for a nationally coordinated Safety R&D Program
- Development of FHWA Safety R&D Program
- Advanced research program leadership

Major Projects

- FSHRP II Safety coordination
- FHWA Safety R&T Roadmap development
- RD&T Leadership Council efforts to improve TFHRC
- Facilitation of Safety R&D product and service deployments
- Advanced research planning and implementation process

Backup Person

Ray Krammes

Liz Simpson

HRDS-01, Administrative Assistant (Contractor)

202-493-3260

liz.simpson@fhwa.dot.gov

Primary Responsibilities

- Administrative support

Major Projects

- Office management
-

Technical Direction, HRDS-02

Ray Krammes

Technical Director

202-493-3312

ray.krammes@fhwa.dot.gov

Primary Responsibilities

- Safety R&D Program coordination
- Direction and delivery of FHWA Safety R&D Program
- Technical oversight and guidance

Major Projects

- National Highway R&T Partnership Initiative-Safety
- SafetyAnalyst project

- Highway Safety Manual

Backup Person

Michael Trentacoste

Lincoln Cobb

Technology Facilitator

202-493-3313

lincoln.cobb@fhwa.dot.gov

Primary Responsibilities

- Technology transfer and marketing safety products
- Customer feedback

Major Projects

- Technology facilitation strategy development
- Customer satisfaction survey
- Safety R&D website

Backup Person

Ray Krammes

Diana Martin

Program Analyst

202-493-3168

diana.martin@fhwa.dot.gov

Primary Responsibilities

- Procurement planning and management
- Accounting and budget planning, development and monitoring

Major Projects

- Tracking office expenditures
- Accountable property inventories
- Information technology equipment and office/lab space needs assessment

Backup

Ray Krammes

Advanced Research**Kunik Lee**

202-493-3491

kunik.lee@fhwa.dot.gov

Primary Responsibilities

- Develop innovative change for an integrated approach to improving highway safety
- Conduct research into vehicle compatibility with other vehicles, roadside hardware, and other road features
- Advanced Research Initiatives

Major Projects

- Develop program options for vehicle compatibility with roadside hardware
- Promote further development and application of the Digital Highway Measurement (DHM) System

Backup Person

Ray Krammes

Vacant

Electronic Engineer
202-493-3338

Primary Responsibilities

- Advanced research
- Sensors
- Electromagnetics
- Simulation

Major Projects

- Digital Highway Measurements System
- Software testing
- Pattern recognition algorithms development

Backup Person

Kunik Lee

Roadside Team, HRDS-04**Ken Opiela**

Team Leader
202-493-3371
kenneth.opiela@fhwa.dot.gov

Primary Responsibilities

- Roadside Team management
- Management of FHWA/NHTSA National Crash Analysis Center (NCAC)
- Monitor changing roadside safety trends and contributing factors
- Develop and execute roadside safety R&D plan and disseminate results
- Coordinate crash analysis efforts with partner agencies
- Manage NCAC/Roadside outreach efforts

Major Projects

- Develop and maintain finite element (FE) models of vehicles and roadside elements for crash simulation
- Support efforts related to updating national crashworthiness standards
- Evaluation of roadside hardware effectiveness
- Analysis and design of physical infrastructure protection
- Analysis of vehicle rollover crashes and mitigation options

Backup Person

Martin Hargrave

Martin Hargrave

Research Mechanical Engineer
202-493-3311
martin.hargrave@fhwa.dot.gov

Primary Responsibilities

- Manage the Federal Outdoor Impact Laboratory (FOIL)
- Advance the use of dynamic FEA software to design crashworthy roadside safety structures and predict vehicle crash outcomes
- Coordinate use of FEA by Centers for Excellence

- Promote application of new materials (i.e., high performance composites) for roadside safety devices

Major Projects

- Develop software to determine FEA material model coefficients from test data
- Composite material guardrail system development
- Analyze options for lower cost placement of underground utilities adjacent to highways

Backup Person

Ken Opiela

Vacant

Highway Research Engineer
202-493-xxxx

Primary Responsibilities

- Vehicle and hardware modeling
- Roadside safety

Major Projects

- Optimization and inverse roadside safety analysis
- Simulation modeling research and development
- Rollover causation and reduction study

Backup Person

Ken Opiela

Roadway Team, HRDS-05

Carl Andersen

Team Leader
202-493-3366
carl.andersen@fhwa.dot.gov

Primary Responsibilities

- Roadway Team Leader
- Arens Photometric and Visibility Laboratory
- Roadway visibility research

Major Projects

- Night visibility enhancement
- Roadway visibility modeling
- Traffic signal light improvement
- Visibility and lighting research

Backup Person

Joe Bared
Abdul Zineddin

Clayton Chen

Highway Research Engineer
202-493-3054
clayton.chen@fhwa.dot.gov

Primary Responsibilities

- Geometric design and safety

- Safety analysis tools

Major Projects

- Interactive Highway Safety Design Model (IHSDM)

Backup Persons

Joe Bared
Carl Andersen

Joe Bared

Highway Research Engineer
202-493-3314
joe.bared@fhwa.dot.gov

Primary Responsibilities

- Intersection safety and operations
- Safety and geometric design

Major Projects

- Implementation of surrogate safety assessment methods in traffic simulation models
- Safety and operational evaluation of alternative intersection and interchange designs

Backup Person

Wei Zhang

Wei Zhang

Highway Research Engineer
202-493-3317
wei.zhang@fhwa.dot.gov

Primary Responsibilities

- Traffic engineering and safety
- Software development oversight

Major Projects

- Intersection research program
- Work zone safety

Backup Person

Joe Bared

Abdul Zineddin

Highway Research Engineer
202-493-3369
abdul.zineddin@fhwa.dot.gov

Primary Responsibilities

- Visibility
- Traffic engineering and human factors

Major Projects

- Pavement marking retroreflectivity research
- Speed management research
- Traffic control devices research

Backup Person

Carl Andersen

Safety Management Team, HRDS-06

Carol H. Tan

Team Leader
202-493-3315

carol.tan@fhwa.dot.gov

Primary Responsibilities

- Highway safety analysis
- Highway safety data
- GIS safety applications
- Safety management systems

Major Projects

- Activities involving Highway Safety Information System (HSIS)
- Crash Prediction Algorithm of IHSDM
- Development of the Minimum Inventory of Roadway Elements
- Motorcycle Crash Causation Study
- Wildlife-Vehicles Collision Reduction Study

Backup Person

Roya Amjadi

Roya Amjadi

Transportation Specialist
202-493-3383

roya.amjadi@fhwa.dot.gov

Primary Responsibilities

Traffic Engineering and Safety
Highway safety analysis

Major Projects

- Safety Analyst development support
- Low-cost Safety Pooled-Fund Study

Backup Person

Carol H. Tan

Heather Valadez

Mathematical Statistician
202-493-3318

heather.valadez@fhwa.dot.gov

Primary Responsibilities

- Highway safety analysis
- Safety management
- GIS safety applications

Major Projects

- Countermeasure evaluation
- Safety Edge Evaluation Pooled Fund Study

Backup Person

Carol H. Tan

Human Centered Systems Team, HRDS-07

Thomas M. Granda

Team Leader, Engineering Research Psychologist
202-493-3365

thomas.granda@fhwa.dot.gov

Primary Responsibilities

- Human Centered Systems (HCS) program
- HCS technical support management

Major Projects

- HCS safety research program
- HCS operations research program
- Transportation Management Center Pooled Fund Study

Backup Person

Amanda Emo

Ann Do

Highway Research Engineer

202-493-3319

ann.do@fhwa.dot.gov

Primary Responsibilities

- Pedestrian and bicycle safety
- Geometric design and safety

Major Projects

- Pedestrian and Bicycle Safety Research Program

Backup Person

Thomas M. Granda

Vacant

Engineering Research Psychologist

202-493-xxxx

Primary Responsibilities

- HCS safety research
- Intelligent highway countermeasures
- Safety R&D task order contract

Major Projects

- Human factors research on novel intersection designs
- Accessibility issues at intersections
- Cooperative intersection collision avoidance systems

Backup Person

Thomas M. Granda

Paul Tremont

Engineering Research Psychologist

202-493-3338

paul.tremont@fhwa.dot.gov

Primary Responsibilities

- HCS Laboratory Manager
- Safety and operations research
- Highway driving simulator

Major Projects

- Visibility studies
- Traffic Control Devices Pooled Fund Study

Backup Person

Thomas M. Granda

Amanda Emo

Engineering Research Psychologist

202-493-3395

amanda.emo@fhwa.dot.gov

Primary Responsibilities

- HCS safety research (pedestrian and bicycle safety, speed management)
- Older driver research

Major Projects

- Speed management research
- Pedestrian and bicycle safety research

Backup Persons

Thomas M. Granda

Office of Infrastructure R&D

Fax: 202-493-3442 (HRDI-01, HRDI-02, HRDI-07) Fax: 202-493-3086 (HRDI-03, HRDI-05, HRDI-10) Fax: 202-493-3161 (HRDI-04, HRDI-11, HRDI-12, HRDI-13)
Fax: 202-493-3477 (HRDI-06)

Office of Infrastructure R&D, HRDI-01

Gary L. Henderson

HRDI-01, Director

202-493-3022

gary.henderson@fhwa.dot.gov

Primary Responsibilities

- Program direction and guidance for the Office of Infrastructure R&D
- Technical and administrative supervision of HRDI teams
- Interaction with headquarters and Resource Center

Major Projects

- Consolidated RD&T multiyear needs, programs, and budget
- National Partnership Initiative advancement
- Corporate management strategies development

Backup Person

John M. McCracken

John McCracken

HRDI-01, Research Program Manager

202-493-3422

john.mccracken@fhwa.dot.gov

Primary Responsibilities

- Policy, direction, and management support to Office Director
- Program development and delivery direction to HRDI teams

Major Projects

- HRDI management strategies and business practices
- Infrastructure R&T Program development

Backup Person

Cheryl Richter

Janet Klein

HRDI-01, Administrative Program Assistant

202-493-3384

janet.klein@fhwa.dot.gov

Primary Responsibilities

- Administrative support for the Infrastructure R&D Program

Major Projects

- Time and attendance personnel documents
 - Team leader council meeting plans and minutes
 - Office supplies
 - Office communication activities
-

Vacant

HRDI-01, Administrative Assistant
202-493-3022

Primary Responsibilities

- Administrative support to the Office Director; Research Program Manager; Program Coordinator; Technical Director for Bridges; the Bridge Design and Construction Team; the Bridge Safety, Reliability, and Security Team; and the Infrastructure Inspection and Management Team
-

Hiwot Abdi

HRDI-04, Administrative Assistant (Contractor)
202-493-3143
hiwot.abdi@fhwa.dot.gov

Primary Responsibilities

- Administrative support to the Technical Director for Pavements, the Advanced Research Coordinator, the Pavement Materials and Construction Team, the Pavement Design and Performance Modeling Team, and the Long-Term Pavement Performance Team
-

Cara Fitzgerald

HRDI-02, Program Coordinator
202-493-3376
cara.fitzgerald@fhwa.dot.gov

Primary Responsibilities

- Advice to Office Director on office operations
- Program coordination and monitoring
- Fiscal accountability within the office

Major Projects

- Office management initiatives
 - Program and budget monitoring
 - Accountable property inventory updates
-

Ian M. Friedland

Technical Director, Bridge and Structures R&D, HRDI-03
202-493-3023
ian.friedland@fhwa.dot.gov

Primary Responsibilities

- Leadership and technical direction for bridge- and structures-related programs and studies
- Promotion of RD&T products

Major Projects

- Program and budget documents
 - External partnerships development
 - Technology facilitation for bridges and other highway structures
-

Cheryl Richter

Technical Director, Pavement R&D, HRDI-04
202-493-3070
cheryl.richter@fhwa.dot.gov

Primary Responsibilities

- Leadership and technical direction for pavement-related programs and studies

- Promotion of RD&T products

Major Projects

- Program and budget documents
 - External partnerships development
 - Technology facilitation for pavements
-

Vacant

Advanced Research Coordinator, HRDI-05
202-493-3063

Primary Responsibilities

- Advanced research

Major Projects

- Embeddable sensor systems
 - Nondestructive evaluation (NDE) for materials characterization
 - Materials science of portland cement concrete (PCC) setting
 - PCC durability
-

Bridge Design and Construction Team, HRDI-06

Bill Wright

Team Leader
202-493-3053
bill.wright@fhwa.dot.gov

Primary Responsibilities

- Bridge Design and Construction Team Leader
- High-performance steel research

Major Projects

- Bridge of the Future
- Fatigue and fracture
- Corrosion resistant steel

Backup Persons

Mike Adams
Fassil Beshah

Mike Adams

Research Civil Engineer
202-493-3025
mike.adams@fhwa.dot.gov

Primary Responsibilities

- Geotechnical Laboratory Manager
- Retaining wall systems
- Construction Engineering
- Shallow foundations engineering
- Engineering geology

Major Projects

- Bridge of the Future
- Integrated Abutment Bridge System
- Geosynthetic Reinforced Soil (GRS) structures

Backup Person

Carl Ealy

Carl Ealy

Geotechnical Research Engineer
202-493-3039
carl.ealy@fhwa.dot.gov

Primary Responsibilities

- Deep foundations engineering
- In situ testing techniques
- Innovative load testing systems
- Load and Resistance Factor Design (LRFD) for geotechnical engineering

Major Projects

- Resistance factors for piles and drilled shafts
- Application of high performance materials to bridge foundations
- Health monitoring technologies for foundation construction and performance

Backup Person

Mike Adams

Fassil Beshah

Structures Laboratory Manager
202-493-3041
fassil.beshah@fhwa.dot.gov

Primary Responsibilities

- Structures Laboratory Manager
- High-performance materials

Major Projects

- Bridge of the Future
- High-performance material applications for bridges

Backup Person

Bill Wright

Benjamin Graybeal

Research Structural Engineer
202-493-3122
benjamin.graybeal@fhwa.dot.gov

Primary Responsibilities

- High-Performance Concrete
- Ultra High-Performance Concrete
- Structural testing
- Concrete bridges

Major Projects

- Bridge of the Future
- High-performance concrete bridges
- Concrete specifications
- High-performance materials

Backup Person

Bill Wright

Bridge Safety, Reliability, and Security Team, HRDI-07**Sheila Rimal Duwadi**

Team Leader

202-493-3106

sheila.duwadi@fhwa.dot.gov**Primary Responsibilities**

- Bridge Safety, Reliability, and Security Team Leader
- Timber bridge research
- Bridge design
- Bridge and tunnel security

Major Projects

- Bridge and tunnel security research
- Advanced wood/FRP composites

Backup PersonHarold Bosch

Harold Bosch

Research Structural Engineer

202-493-3031

harold.bosch@fhwa.dot.gov**Primary Responsibilities**

- Aerodynamics Laboratory Manager
- Structural dynamics
- Aerodynamic stability
- Wind loads on structures
- Weigh-in-motion

Major Projects

- Wind research
- Aerodynamic stability of bridges
- Wind-induced vibration of cables
- Aerodynamic properties of tapered cylinders
- Prediction methods for aerodynamic response
- Computational Fluid Dynamic flow simulation techniques

Backup PersonSheila Rimal Duwadi

Kornel Kerenyi

Research Hydraulic Engineer

202-493-3142

kornel.kerenyi@fhwa.dot.gov**34****Primary Responsibilities**

- Hydraulics Laboratory Manager
- Hydraulics and hydrology of highway structures

Major Projects

- Bridge scour
- Pressure flow scour

- Culvert hydraulics
- Bottomless culverts
- Highway drainage
- Multihazard modeling

Backup Person

Sheila Rimal Duwadi

Eric Munley

Research Structural Engineer

202-493-3046

eric.munley@fhwa.dot.gov

Primary Responsibilities

- Fiber-reinforced polymer (FRP) composites
- Adhesive-bonded connections
- Security assessment and training
- Vessel Collision
- Bridge and Tunnel Security

Major Projects

- FRP pre-stressing
- Adhesives research
- FRP specification development
- Accelerated test development for FRP materials
- Bridge and Tunnel Vulnerability Assessments
- Countermeasure Assessments
- Bridge and Tunnel Security Research

Backup Person

Sheila Rimal Duwadi

Vacant

Bridge Research Engineer

202-493-3051

Primary Responsibilities

- General bridge engineering
- Culverts
- Historic structures

Major Projects

- Seismic vulnerability assessment
- Covered bridge preservation

Backup Person

Sheila Rimal Duwadi

Phillip Yen

Research Structural Engineer

202-493-3056

wen-huei.yen@fhwa.dot.gov

Primary Responsibilities

- Seismic research program

- LRFD design for structures

Major Projects

- Bridge vibration testing
- Bridge Seismic Instrumentation
- Seismic vulnerability
- Multihazard analysis of highway structures
- Seismic performance testing
- United States-Japan research in bridge seismic design and retrofitting

Backup Person

Sheila Rimal Duwadi

Infrastructure Inspection and Management Team, HRDI-10

Joey Hartmann

Team Leader

202-493-3059

joey.hartmann@fhwa.dot.gov

Primary Responsibilities

- Infrastructure Inspection and Management Team Leader

Major Projects

- Stewardship and management of existing bridges
- NDE
- Bridge management systems
- Corrosion and coating

Backup Person

Hamid Ghasemi

Hamid Ghasemi

Research Structural Engineer

202-493-3042

hamid.ghasemi@fhwa.dot.gov

Primary Responsibilities

- Long-Term Bridge Performance Program
- Bridge Management Information Systems Laboratory Manager
- Structural health monitoring
- Bridge dynamics
- Earthquake protective systems
- United States-Turkey collaboration on bridge design and health monitoring related issues

Major Projects

- Health monitoring of signature bridges
- Earthquake protective systems
- Bridge dynamics and modal testing
- Seismic isolation
- Near-source ground motions

Backup Person

Joey Hartmann

Vacant

Research Chemist

202-493-3081

Primary Responsibilities

- Bridge Coatings Laboratory Manager
- Bridge coating research
- Paint testing and coating evaluation methods
- Oversight of Paint, Corrosion, and Scanning Electron Microscope Laboratories
- Dissemination of coating research results
- Solutions for field coating failure problems

Major Projects

- Accelerated test methods for evaluation of coating materials
- Performance evaluation of fast drying coatings

Backup Person

Seung-Kyoung Lee

Seung-Kyoung Lee

Research Corrosion Engineer
202-493-3077

seung-kyoung.lee@fhwa.dot.gov

Primary Responsibilities

- Corrosion protection of highway structures

Major Projects

- Corrosion of reinforced concrete bridge elements
- Material integrity testing for bridges

Backup Person

Paul Virmani

Paul Virmani

Research Chemist
202-493-3052

paul.virmani@fhwa.dot.gov

Primary Responsibilities

- Corrosion protection systems
- Bridge deck durability

Major Projects

- Corrosion costs and preventive strategies
- Nondestructive tools for corrosion detection
- Cathodic protection systems
- Corrosion resistant reinforcement

Backup Person

Seung-Kyoung Lee

Frank Jalinoos

Nondestructive Evaluation (NDE) Program Manager
202-493-3082

frank.jalinoos@fhwa.dot.gov

Primary Responsibilities

- NDE Center Manager
- Bridge NDE

- Steel Bridge Testing Program

Major Projects

- NDE technologies for bridges
- Ground-penetrating radar (GPR), including the High-speed Electromagnetic Roadway Mapping and Evaluation System (HERMES) and the Precision Electromagnetic Roadway Evaluation System (PERES)
- Crack detection methods
- Condition assessment of pre-stressed tendons
- Automated ultrasonic testing
- FHWA Steel Bridge Testing Program

Backup Person

Hamid Ghasemi

Pavement Materials and Construction Team, HRDI-11

Jack Youtcheff

Team Leader

202-493-3090

jack.youtcheff@fhwa.dot.gov

Primary Responsibilities

Team Leader

- Pavement Materials and Construction Research

Major Projects

- Understanding the performance of modified binders in asphalt mixes
- Moisture Sensitivity of Asphalt
- OECD Long Life Pavements
- Asphalt Research Consortium
- Asphalt Durability

Backup Persons

Nelson Gibson

Richard Meininger

Ernest Bastian

Materials Research Chemist

202-493-3075

ernest.bastian@fhwa.dot.gov

Primary Responsibilities

- SIMAP Laboratory Manager
- Asphalt rheology and chemistry

Major Projects

- Fundamental properties of asphalt and modified asphalt
- National Research Council research associate manager

Backup Person

Jack Youtcheff

Fred Faridazar

Highway Research Engineer

202-493-3076

fred.faridazar@fhwa.dot.gov

Primary Responsibilities

- Computer guidelines for PCC pavement performance prediction
- Long-term behavior of jointed concrete pavement
- Early-age behavior of continuously reinforced concrete pavement
- Lithium technologies to mitigate or prevent alkali-silica reactivity (ASR)

Major Projects

- Computer-based guidelines for concrete pavements
- HIPERPAV

Backup Person

Richard Meininger

Nelson Gibson

Materials Research Engineer

202-493-3073

nelson.gibson@fhwa.dot.gov

Primary Responsibilities

- Asphalt Laboratory Manager (Binder and Mixture)
- ALF research
- Asphalt technology

Major Projects

- Superpave Modification
- Warm Mix
- Performance tests
- Understanding the performance of modified binders in asphalt mixes

Backup Person

Jack Youtcheff

Vacant

Highway Research Engineer

202-493-3xxx

Primary Responsibilities

- Concrete Materials Research

Backup Person

Richard Meininger

Richard Meininger

Research Highway Engineer

202-493-3191

richard.meininger@fhwa.dot.gov

Primary Responsibilities

- PCC Laboratories Manager
- PCC component materials, properties, and specifications
- PCC mixture proportioning
- PCC properties and performance
- Aggregate Research

Major Projects

- Concrete Mix Design & Analysis
- Rapid test for alkali-silica susceptibility
- PCC freeze-thaw performance
- PCC Thermal Coefficient of Expansion-test method and data for Long-Term Pavement Performance (LTPP) database

Backup Person

Jack Youtcheff

Dennis Sixbey

Research Materials Engineer

202-493-3078

dennis.sixbey@fhwa.dot.gov

Primary Responsibilities

- Laboratory services support
- Surface characteristics
- PCC pavement materials

Backup Person

Jack Youtcheff

Terrence Arnold

Materials Research Chemist

202-493-3305

terry.arnold@fhwa.dot.gov

Primary Responsibilities

- Chemistry Laboratory Manager
- Asphalt chemistry and technology

Major Projects

- Fundamental properties of asphalt, modified asphalt, and alternative materials
- Understanding the performance of modified binders in asphalt mixes
- Akali-Silica reactivity

Backup Person

Jack Youtcheff

Ernest Bastian

Pavement Design and Performance Modeling Team, HRDI-12

Katherine Petros

Team Leader

202-493-3154

katherine.petros@fhwa.dot.gov

Primary Responsibilities

- Team Leader
- Pavement design and performance modeling

Major Projects

- Mechanistic-Empirical Pavement Design Guide
- Mechanistic performance prediction models
- Performance-related specifications

Backup Persons

Peter Kopac
Nadarajah Sivianeswaran

Eric Weaver

Highway Research Engineer
202-493-3153
eric.weaver@fhwa.dot.gov

Primary Responsibilities

- Computation Resource Manager
- Pavement structural design
- Pavement Analysis Techniques

Major Projects

- Design Guide Implementation Team
- Pavement Performance prediction models
- Asphalt Research Consortium
- FWD Calibration Pooled Funds Study
- Geosynthetics in Pavements

Backup Person

Katherine Petros

James Sherwood

Highway Research Engineer
202-493-3150
jim.sherwood@fhwa.dot.gov

Primary Responsibilities

- PCC pavement design and performance
- PCC pavement maintenance and rehabilitation

Major Projects

- Design Guide Implementation Team
- Concrete performance prediction modeling
- Ultra-thin whitetopping

Backup Persons

Katherine Petros
Peter Kopac

Nadarajah Sivaneswaran (Siva)

Highway Research Engineer
202-493-3147
nadarajah.sivaneswaran@fhwa.dot.gov

Primary Responsibilities

- Pavement performance modeling
- Pavement Management Systems
- Life Cycles Cost Analysis
- Remaining Service Life

Major Projects

- Life cycle cost analysis

- Mechanistic analysis of pavement structures
- Performance prediction modeling
- CA4PRS development
- Composite Pavements

Backup Persons

Katherine Petros
James Sherwood

Peter Kopac

Research Highway Engineer
202-493-3151
peter.kopac@fhwa.dot.gov

Primary Responsibilities

- Advanced quality systems
- Pavement performance-related specifications
- Statistical quality control
- Quality assurance specifications

Major Projects

- Performance-related specifications
- Optimal statistical acceptance procedures
- Relating construction to performance
- Concrete Pavement Road Map
- FRP composites

Backup Persons

Katherine Petros
James Sherwood

Long-Term Pavement Performance Team, HRDI-13

Aramis López

Team Leader
202-493-3145
aramis.lopez@fhwa.dot.gov

Primary Responsibilities

- LTPP Team Leader
- LTPP product coordination

Major Projects

- LTPP daily operations
- LTPP technical support services
- LTPP international coordination
- TRB LTPP Committee
- TRB LTPP Expert Task Groups (ETG)

Backup Person

Jack Springer

Jack Springer

Highway Research Engineer
202-493-3144
jack.springer@fhwa.dot.gov

Primary Responsibilities

- LTPP field operations
- LTPP materials testing
- LTPP seasonal monitoring data
- LTPP distress data collection
- LTPP Automated Weather Stations
- LTPP Materials Reference Laboratory
- AASHTO SOM Secretary

Major Projects

- Regional contract support
- Resilient Modulus and material testing
- TRB ETG on LTPP operations

Backup Person

Aramis López

Deborah Walker

Highway Research Engineer

202-493-3068

deborah.walker@fhwa.dot.gov

Primary Responsibilities

- LTPP traffic activities
- LTPP communications

Major Projects

- Specific Pavement Studies Traffic Pooled Fund Study
- LTPP traffic analysis software
- LTPP traffic data collection
- LTPP traffic data forecasting and backcasting
- TRB ETG on Traffic

Backup Person

Aramis López

Vacant

Highway Research Engineer

202-493-3xxx

Primary Responsibilities

- LTPP database activities
- LTPP FWD operations
- LTPP documentation

Major Projects

- FWD calibration
- LTPP database management
- TRB ETG on LTPP operation

Backup Person

Aramis López

Larry Wiser

Highway Research Engineer

202-493-3079

larry.wiser@fhwa.dot.gov

Primary Responsibilities

- LTPP Customer Support Service Center (CSSC)
- LTPP data analysis
- LTPP profile measurement
- LTPP data studies and computed parameters

Major Projects

- LTPP CSSC operations
- Data analysis projects and contracts
- TRB ETG on LTPP operation and data analysis

Backup Person

Aramis López

Index

Last Name	First Name	Phone Number	Room	Route
Abdi	Hiwot	202-493-3143	F-209	HRDI-04
Aboobaker	Nazhat	202-493-3146	T-305	HRTM-02
Adams	Mike	202-493-3025	F-116	HRDI-06
AmJadi	Roya	202-493-3383	T-210	HRDS-06
Andersen	Carl	202-493-3366	T-303	HRDS-05
Arnold	James	202-493-3265	T-204	HRDO-04
Arnold	Terry	202-493-3305	F-209	HRDI-11
Asmerom	Ariam	202-493-3469	F-204	HRTM-04
Bared	Joe	202-493-3314	T-303	HRDS-05
Bastian	Ernest	202-493-3075	F-209	HRDI-11
Beshah	Fassil	202-493-3041	F-116	HRDI-06
Bosch	Harold	202-493-3031	F-G09	HRDI-07
Boteler	Jennifer	202-493-3071	A-200	HRTM-03
Bravo	Nelda	202-493-3470	T-305	HRTM-02
Brigham	Carlton	301-577-0818	Off-site	HRTM-03
Chase	Steve	202-493-3038	T-301	HRT-1
Chen	Clayton	202-493-3054	T-303	HRDS-05
Cobb	Lincoln	202-493-3313	T-210	HRDS-02
Conway	Joe	202-493-3186	F-204	HRTM-03
Curtis	Deborah	202-493-3267	T-204	HRDO-03
Curtis	Georgia	202-493-3180	T-310	HRRM-01
Do	Ann	202-493-3319	T-210	HRDS-06
Dupuy	Carmen	202-493-3175	T-310	HRRM-01
Duwadi	Sheila Rimal	202-493-3106	T-111	HRDI-07
Ealy	Carl	202-493-3039	F-116	HRDI-06
Ellis	Zachary	202-493-3193	F-204	HRTM-03
Elston	Debra	202-493-3181	F-218	HRTM-01/02
Emo	Amanda	202-493-3395	T-210	HRDS-07
Faridazar	Fred	202-493-3076	F-206	HRDI-11
Ferlis	Robert	202-493-3268	T-204	HRDO-02
Fitzgerald	Cara	202-493-3376	T-112	HRDI-02
Friedland	Ian	202-493-3023	F-211	HRDI-03
Ghaman	Raj	202-493-3270	T-204	HRDO-03
Ghasemi	Hamid	202-493-3042	T-111	HRDI-10
Gibson	David	202-493-3271	T-204	HRDO-04
Gibson	Nelson	202-493-3073	F-209	HRDI-11
Granda	Thomas M.	202-493-3365	T-210	HRDS-07
Graybeal	Benjamin	202-493-3122	F-116	HRDI-06
Halkyard	Terry	202-493-3467	F-204	HRTM-04
Hargrave	Martin	202-493-3311	T-303	HRDS-04
Hartmann	Joey	202-493-3059	F-209	HRDI-06
Henderson	Gary	202-493-3022	T-112	HRDI-01
Huang	Peter	202-493-3484	T-204	HRDO-04
Jalinoos	Frank	202-493-3082	A-M3	HRDI-10
Jernigan	Jack	202-493-3363	T-305	HRTM-02
Johnson	Andrena	202-493-3166	T-305	HRTM-01

Judycki	Dennis	202-493-3999	T-306	HRT-1
Kerenyi	Kornel	202-493-3142	T-111	HRDI-07
Kerr	Brian	202-493-3000	T-106	HAIM-20
Klein	Janet	202-493-3384	T-107	HRDI-01
Kopac	Peter	202-493-3151	F-206	HRDI-12
Krammes	Ray	202-493-3312	T-303	HRDS-05
Landolt	Jean	202-493-3999	T-306	HRT-1
Lee	Angela	202-493-3471	T-310	HRRM-01
Lee	Kunik	202-493-3491	T-301	HRDS-04
Lee	Seung-Kyoung	202-493-3077	F-211	HRDI-10
López	Aramis	202-493-3145	F-209	HRDI-13
Magoulas	Paula	202-493-3398	F-204	HRTM-03
Martin	Diana	202-493-3168	T-210	HRDS-05
McCarthy	Doreen	202-493-3175	T-310	HRRM-01
McCracken	John	202-493-3422	T-111	HRDI-01
McCrae	TaMara	202-493-3382	F-204	HRTM-03
McHale	Gene	202-493-3275	T-204	HRDO-04
Meininger	Richard	202-493-3191	F-206	HRDI-11
Moyer	Joe	202-493-3370	T-301	HRT-01
Munley	Eric	202-493-3046	T-111	HRDI-06
Munro	John	202-493-3368	T-305	HRTM-02
Nasabzadeh	Masoud	202-493-3047	T-310	HRRM-01
Nguyen	Quang	202-493-3298	T-310	HRRM-01
Opiela	Ken	202-493-3371	T-301	HRDS-04
Persaud	Rudy	202-493-3391	T-204	HRDO-04
Peters	Joe	202-493-3269	T-205	HRDO-01
Petros	Katherine	202-493-3154	F-209	HRDI-12
Richter	Cheryl	202-493-3070	F-209	HRDI-04
Roberts	Carol	202-493-3185	T-310	HRRM-01
Shehade	Chris	202-493-3179	T-310	HRRM-01
Sherwood	James	202-493-3150	F-209	HRDI-12
Simpson	Liz	202-493-3260	T-306	HRDS-01
Sivaneswaran	Nadarajah	202-493-3147	F-209	HRDI-12
Sixbey	Dennis	202-493-3078	F-211	HRDI-11
Soneira	Martha	202-493-3468	F-204	HRTM-03
Springer	Jack	202-493-3144	F-209	HRDI-13
Tan	Carol H.	202-493-3315	T-210	HRDS-06
Thompson	Dale	202-493-3420	T-204	HRDO-03
Tremont	Paul	202-493-3338	T-210	HRDS-07
Trentacoste	Michael	202-493-3260	T-306	HRDS-01
Valadez	Heather	202-493-3318	T-210	HRDS-06
VanGorder	Randall	202-493-3266	T-204	HRDO-03
Vanlandingham	Dawn	202-493-3198	F-204	HRTM-03
Virmani	Paul	202-493-3052	T-111	HRDI-10
Walker	Deborah	202-493-3068	F-209	HRDI-13
Weaver	Eric	202-493-3153	F-209	HRDI-13
Williams	Kimberly	202-493-3423	F-219	HRTM-01
Wiser	Larry	202-493-3079	F-206	HRDI-13
Wright	Bill	202-493-3053	A-103	HRDI-06
Yen	Phillip	202-493-3056	T-111	HRDI-07
Youtcheff	Jack	202-493-3090	F-110	HRDI-11

Zaccagnino	Bill	202-493-3183	T-305	HRTM-02
Zhang	Wei	202-493-3317	T-303	HRDS-05
Zineddin	Abdul	202-493-3369	T-303	HRDS-05

Directions

FROM REAGAN NATIONAL AIRPORT

Take the George Washington (GW) Memorial Parkway toward Washington, DC. Continue along the GW Memorial Parkway approximately 15.8 km (9.8 mi). Continue past the exit for Route 123 and take the exit marked by a small brown sign that reads, "George Bush Center for Intelligence CIA/FHWA." At the yield sign, take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

FROM DULLES AIRPORT

Take the Dulles Toll Road (Route 267) east to the Route 123/ McLean exit. Travel on Route 123/Dolly Madison Boulevard until you reach a stoplight at the intersection with Route 193/Georgetown Pike. Turn left on Route 193. Turn right at the first road (Colonial Farm Road). Continue along the road past the CIA entrances on the right until you reach a gated entrance to the TFHRC complex. There is a security guard on duty at all times, and this gate is open 24 hours a day, 7 days a week.

FROM POINTS NORTH

From points north of Washington, DC, take I-495 (Capital Beltway) around the west side of Washington, DC, to the GW Memorial Parkway, the first exit in Virginia. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/ FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

FROM POINTS SOUTH

From points south of Washington, DC, take I-495 North/Rockville to the GW Memorial Parkway exit. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/ FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

DOT HQ East Building/TFHRC Shuttle Schedule

A daily shuttle service operates between the DOT HQ East Building and TFHRC. The service begins at 7:00 a.m. from the DOT HQ East Building, Washington, DC, from 1201 4th Street, SE. The travel time to TFHRC is approximately 45 minutes. The schedule for the shuttle service is as follows:

Depart DOT HQ East	Arrive TFHRC	Depart TFHRC	Arrive DOT HQ East
7:00 a.m.	7:30 a.m.	7:40 a.m.	8:23 a.m.
8:33 a.m.	9:43 a.m.	9:53 a.m.	10:48 a.m.
10:55 a.m.	11:35 a.m.	11:40a.m.	12:15 p.m.
12:30 p.m.	1:00 p.m.	1:05 p.m.	1:35 p.m.
1:40 p.m.	2:10 p.m.	2:25 p.m.	2:45 p.m.
2:50 p.m.	3:30 p.m.	3:35 p.m.	4:20 p.m.
4:25 p.m.	5:15 p.m.	5:20 p.m.	6:07 p.m.

All DOT employees, contractors, and visitors are permitted to ride the shuttle while on official business. All visitors must have a valid Federal ID or an appointment scheduled with TFHRC staff.

This RD&T directory provides TFHRC expertise and contact information.